

# **[DATA READING APPARATUS AND OPERATING METHOD THEREOF]**

## **Abstract of Disclosure**

A data reading apparatus and method of operating the data reading apparatus. The data reading apparatus is adapted to reading data stored inside an optical storage device. The data reading apparatus has a light source and an image sensor. The light source emits light and illuminates the read-out section of the optical storage device. The image sensor captures the reflected light from the read-out section of the optical storage device to form an image. The data reader may further incorporate an image processor for receiving the image from the image sensor and converting the image into digital data before outputting the data to a host. The foregoing image sensor includes a linear image sensor.

## Figures